Contracts to Be Let

Bids received until Mar. 16, 1915.

Proposals for Oiling

State of Maryland
STATE ROADS COMMISSION
601 Garrett Building,
Baltimore, Md.

SEALED PROPOSALS for oiling 7 sections of State Highway, aggregating about 475 miles in length and requiring approximately 1,278,300 gallons of oil, as follows:

	County	Miles	Gallons
Salisbury Residency...	Worcester Somerset Wicomico Dorchester Caroline	55.33	145,680
Chestertown Residency	Talbot Queen Anne Kent Cecil	61.96	156,037
Baltimore Residency..	Harford Baltimore	83.88	238,776
Frederick Residency...	Frederick Carroll Howard	90.56	231,184
Cumberland Residency.	Washington Allegany Garrett	79.10	206,036
Hyattsville Residency..	Montgomery Washington Boulevard Annapolis Boulevard	70.86	215,758
La Plata Residency....	Charles St. Mary's Prince George	34.14	84,832

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Md., until 12 M. on the 16th day of March, 1915, at which time and place they will be publicly opened and read.

Bids must be made in writing for the work outlined in each Residency and upon forms which will be furnished by the State Roads Commission. Specifications will be furnished by the Commission upon application.

The successful bidder will be required to give a $5,000.00 bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission, this 1st day of March, 1915.

O. E. WELLER, Chairman.

WM. L. MARCY, Secretary.

Bids received until Mar. 23, 1915.

Street Paving

Meriden, Conn.

Sealed Proposals addressed to The Board of Public Works, City of Meriden, endorsed "Proposals for Street Paving," will be received by said Board until six o'clock P.M., Tuesday, March 23rd, 1915, for paving with Wood Block and Vitrified Brick, State Street from East Main Street to Lake Street. Plans, Specifications and blank forms of Proposals can be obtained upon personal application at the City Engineer's Office.

BOARD OF PUBLIC WORKS,
W. S. CLARK, Supt.

Bids received until Mar. 16, 1915.

Paving

Waycross, Ga.

Bids will be received by the Mayor and Board of Aldermen of Waycross, Ga., until 7:30 P.M., March 16th, 1915, for the construction of approximately 11,000 square yards of brick pavement on Carswell Avenue, on sand foundation (curbing already laid).

Plans and specifications on file at the office of the City Clerk.

A. C. LOWTHER, City Clerk.

Bids received until Mar. 15, 1915.

Street Paving

Steelton, Pennsylvania.

Sealed proposals will be received by the Town Council of the Borough of Steelton, Pennsylvania, at the Council Chamber until 7:30 P.M., Monday, March 15th, 1915, to be opened at a special meeting of the Town Council to be held at the said time and place for the subgrading, paving and curbing of the following streets:

South Third Street from Highland to DuPont, Highland Street from Second to Third and Conestoga Street from Front to Christian Street.

Plans, specifications, form of proposal and form of contract can be had from the Borough Secretary upon the payment of $10.00, which will be refunded upon the return of plans and specifications in good condition.

No proposal will be considered unless accompanied by a certified check made payable to LeRoy H. Sutton, Borough Treasurer, conditioned on the entering into by the successful bidder of a contract in accordance with the specifications and form provided, and furnishing a bond with at least two sureties, or some surety company acceptable to the Town Council, in the sum of approximately twenty-five per cent. (25%) of the cost of the work as set out in detail for each job in the specifications, conditioned for the faithful performance of all terms and conditions of said contract, the form of said bond to be approved by the Borough Solicitor; also maintenance bond conditioned as set forth in the contract and specifications. The amount of the certified checks shall be as follows: Highland Street, $100.00; South Third Street, $500.00; Conestoga Street, $600.00. In the event that the bid covers all of the streets to be paved the certified check shall be in the sum of $1,200.00.

The Town Council reserves the right to reject any or all bids or any part thereof.

Foreign corporations desiring to make bids should be registered in the office of the Secretary of the Commonwealth, as required by the Act of June 8th, 1911, and have a bona fide resident agent in this state with a fixed office, and as a further precaution to the Borough of Steelton, the successful bidder, if a foreign corporation, may at the option of the Town Council be required to empower some person or company satisfactory to the Town Council to accept service for said successful bidder during the term of the contract and bond.

CHAS. P. FEIDT, Borough Secretary.

Bids received until Mar. 23, 1915.

Street Improvements and Sewerage

Kinston, N. C.

Sealed proposals will be received by the City Council of the City of Kinston, N. C., at the City Hall in Kinston, N. C., until 5 P.M. March 23rd, 1915, for Street Improvements and Sewerage.

The work will consist of about:

12,000 sq.yds., or more, of Brick, Asphalt, Bitulithic, or other pavement.

30,000 lineal feet of concrete Curb and Gutter.

20,000 sq.yds. of Sidewalk.

8 miles of 8 to 18 inch pipe sewers.

Proposals must be marked, "Proposal for Street Improvements," or "Proposal for Sewerage."

All bids must be upon blank forms provided in the Proposal and Contract and Specifications.

Each bid must be accompanied by a certified check for $1000.00 as an evidence of good faith.

Plans and Specifications will be on file at the Clerk's Office in Kinston and at the office of the Engineer in Charlotte; and copies of the specifications, form of proposal, etc., will be mailed upon application to the Engineer at Charlotte, N. C., when accompanied by a check for ten dollars to insure their return within 30 days after the letting.

The right is reserved to reject any or all bids.

FRED I. SUTTON, Mayor.

Engineer: GILBERT C. WHITE,
Charlotte, N. C.

Bids received until Mar. 22, 1915.

City Hall

City of Watervliet, N. Y., February 27th, 1915.

Sealed proposals for the erection of a City Hall for the City of Watervliet, Albany County, N. Y., under the plans and specifications prepared by Messrs. Demers, Mosley & Campaigne, Architects, of Troy, N. Y., will be received by the Board of Contract & Supply of the City of Watervliet, N. Y., at its office, No. 1520 Broadway, Watervliet, N. Y., until Monday, March 22nd, 1915, at 2 o'clock P.M.

Each proposal for the complete work or any part of same must be filled out and signed by the bidder, together with a certified check for a sum equal to five per centum of the bid, payable to the Chamberlain of the City of Watervliet, N. Y., and placed in an envelope sealed and marked "Proposal for the Erection of City Hall, Watervliet, N. Y.," and delivered to the Clerk of the Board of Contract & Supply. Only such proposals so left and signed, accompanied with check, will, at that hour and place, be received. Bids will be acted on within one calendar month. The Board of Contract & Supply reserves the right to reject any and all bids. Plans and specifications are on file at the office of the Board of Contract & Supply, No. 1520 Broadway, Watervliet, N. Y., and also at the office of Messrs. Demers, Mosley & Campaigne, No. 203 Illium Building, Troy, N. Y. Bidders may obtain copies of same from the Clerk or architects by enclosing a check for $25.00 payable to the architects' order, and to be held by them until the return of plans and specifications.

BOARD OF CONTRACT & SUPPLY,
By WILLIAM B. DAUBNEY, Clerk.
DEMERS, MOSLEY & CAMPAIGNE, Architects,
Troy, N. Y.

Bids received until Mar. 23, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS
Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. Tuesday, March 23rd, 1915, for the improvement of Highways in the following counties:

Allegany (approx. length 9.52); Cattaraugus, 2 highways (6.98, 5.35); Columbia (approx. length 4.97); Erie (approx. length 4.48); Franklin (approx. length 0.22); Jefferson, 3 highways (2.86, 2.40, 0.51); Monroe (approx. length 0.66); Niagara (approx. length 8.33); Rensselaer (approx. length 2.11); Putnam (approx. length 0.13); Sullivan (approx. length 8.51).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the road is to be constructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "INFORMATION FOR BIDDERS" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until Mar. 31, 1915.

Buttzville-Danville Road

Belvidere, Warren County, N. J.

Sealed proposals for the construction of a waterbound macadam road 5.755 miles long, known as the Buttzville-Danville Road, will be received by a Committee of the Board of Chosen Freeholders at the Courthouse in Belvidere, Warren County, New Jersey, on Wednesday, March 31, 1915, at 11:30 A.M.

Plans and specifications are on file and blank proposals may be obtained at the State Road Commissioner's office, Trenton, N. J., at the Danville Hotel, Danville, N. J., and at the Buttzville Hotel, Buttzville, N. J., also at the office of F. W. Salmon, County Engineer, Netcong, N. J.

Samples of approved materials are on file with the State Road Department and with the County Engineer and will be shown and explained to prospective bidders on request.

Plans and specifications may be purchased from the County Engineer upon payment of $5.00, which will not be refunded.

The right is reserved to reject any or all bids.

J. R. THATCHER, Director,
Board of Freeholders.

Bids received until Mar. 18, 1915.

Notice to Dredging Contractors

Xenia, Ohio.

Sealed bids are invited and will be received at the office of the Board of County Commissioners of Greene County, Ohio, up until 10 o'clock A.M., Thursday, March 18th, 1915, for the excavation of 144,183 Cubic Yards of earth, all of which is designed as floating dredge work, except about 1040 Cubic Yards which is designed as team work.

The work consists of the following:

Six & $^{42}/_{100}$ miles, 14 ft. bottom, ½ to 1 slopes, 143,140 Cubic Yards (Dredge Work),

$^{30}/_{100}$ miles, 14 ft. bottom, ½ to 1 slopes, 1043 Cubic Yards (Team Work).

Bids may be made for the whole or any part thereof. The right is reserved to reject any or all bids.

A deposit of a certified Check upon an active and going bank, payable to the order of the Board of County Commissioners of Greene County, Ohio, in the sum of Five hundred dollars, must be made by the successful bidder as a forfeit that he will enter into contract and give bond for the performance of the work.

The work is located at Alpha station, twelve miles east of Dayton, on the P. C. C. & St. L. Railway, the C. H. & D. Railway, and the Dayton & Xenia Traction Railway. It consists of, the deepening, widening and straightening of a stream called Beaver Creek. The work is located in a good country, with good gravel pikes.

Contractors are advised to see this piece of work.

Maps, profiles and specifications, or other information may be had by calling on or writing the County Surveyor and Engineer.

Board of County Commissioners of Greene County, O.,
By GEO. W. KENDALL, Clerk.
Xenia, Greene County, Ohio, February 25th, 1915.

Bids received until April 1, 1915.

Disposal of Garbage

Wilmington, Delaware.

Sealed proposals, accompanied by plans and specifications for the disposal of garbage of the City of Wilmington, Delaware, will be received by the Board of Health, at their office, 6th and King Sts., until 3 p.m. April First, 1915, at which time and place the proposals will be opened and publicly read.

The contract to be let, will be for a term of Nine years, beginning June First, 1915. The amount of garbage to be disposed of, approximates, 14,000 tons, yearly.

Each proposal submitted, must be accompanied by a certified check upon a Bank or Trust Company doing business in the City of Wilmington, Delaware for the sum of Five Hundred Dollars ($500), drawn to the order of the Mayor and Council of Wilmington, Delaware.

General specifications and bidding blanks may be obtained from Mr. J. Austin Ellison, Secretary of the Board of Health after March First, 1915.

The right is reserved to award the contract under that proposal, the acceptance of which will in the judgment of the Board of Health best secure the efficient performance of work and to reject any or all bids.

BOARD OF HEALTH,
J. Austin Ellison, Secretary.

Bids received until Mar. 31, 1915.

Bloomsbury-Still Valley Road

Belvidere, Warren County, N. J.

Sealed proposals for the construction of a waterbound macadam road 2.91 miles long, known as the Bloomsbury-Still Valley Road, will be received by a Committee of the Board of Chosen Freeholders at the Courthouse in Belvidere, Warren County, New Jersey, on Wednesday, March 31, 1915, at 2:00 P.M.

Plans and specifications are on file and blank proposals may be obtained at the State Road Commissioner's office, Trenton, N. J., at the Bloomsbury Hotel, Bloomsbury, N. J., and at the Union Square Hotel, Phillipsburg, N. J., also at the office of F. W. Salmon, County Engineer, Netcong, N. J.

Samples of approved materials are on file with the State Road Department and with the County Engineer and will be shown and explained to prospective bidders on request.

Plans and specifications may be purchased from the County Engineer upon payment of $5.00, which will not be refunded.

The right is reserved to reject any or all bids.

J. R. THATCHER, Director,
Board of Freeholders.

Bids received until Apr. 6, 1915.

To Bridge Contractors

Lake Charles, La.

Sealed bids will be received by the Police Jury, Calcasieu Parish, at the office of the Highway Department, Court House, Lake Charles, La., up to 10 o'clock a.m. April 6, 1915, for the construction of a steel highway swingbridge over Black Bayou on Highway No. 4.

Bids will be accepted on the following alternatives:

(1) The fabrication and delivery f.o.b. Lake Charles, of steelwork and turning machinery.

(2) The erection of the steelwork and machinery and the construction of the substructure.

(3) The supply and erection of both superstructure and substructure complete.

Plans and specifications are on file at the office of the Highway Department and copies of same may be obtained upon payment of five dollars ($5.00) which will be refunded upon receipt of a bona fide bid and the return of the plans and specifications.

Each bid must be accompanied by a certified check drawn on a bank doing business in Lake Charles and made payable to the Treasurer, Calcasieu Parish, for 5 per cent. of the amount of the bid.

The Police Jury reserves the right to reject any or all bids.

E. C. HOUSE, Clerk of the Police Jury.

Bids received until Mar. 24, 1915.

Notice to Paving Contractors

Charleston, W. Va.

Sealed proposals will be received by the Board of Affairs of Charleston, West Virginia, until 10 o'clock a.m., Wednesday, March 24th, 1915, for curbing and paving fifteen (15) streets in the city of Charleston, West Virginia, containing approximately 40,700 ft. curb and 71,640 sq.yds. paving.

All well known classes of paving material will be considered.

Payments will be made in cash on monthly estimates.

A certified check payable to the order of Treasurer of The City of Charleston, amounting to two and one-half (2½) per cent. of bid, guaranteeing that successful bidder will enter into contract and furnish satisfactory bond to the amount of fifty (50) per cent. of the bid, must accompany each proposal.

The Board of Affairs reserves the right to reject any and all bids.

For plans and specifications or further information, apply to G. S. Brown, city engineer, Loewenstein building, Charleston, West Virginia.

By order of the Board of Affairs.

O. A. PETTY, President.

Bids received until Mar. 29, 1915.

Cast Iron Pipe, Hydrants and Valves

Lewistown, Mont.

Sealed proposals will be received up to 8 o'clock P.M. of March 29th, A.D. 1915, at the office of the City Clerk, Lewistown, Montana, for

100 Ton C.I. Pipe
21 Valves
8 Hydrants

Specifications on application.

A. C. BIRKLAND, City Engineer.

Wagons

The Siamese Royal Railway Department invites bids for 159 Goods and Cattle Wagons and spare parts. Specifications and drawings may be had from the Siamese Legation, Washington, D. C., on payment of fee of $4.00.

U. S. ENGINEER OFFICE, Chicago, Ill., Feb. 27, 1915.—Sealed proposals for dredging in Indiana Harbor, Ind., will be received at this office until 10 a.m. March 29, 1915, and then publicly opened. Information on application. W. V. JUDSON, Lt. Col., Engineers.

U. S. ENGINEER OFFICE, Newport, R. I., Feb. 27, 1915.—Sealed proposals for dredging in Providence Harbor, R. I., will be received at the U. S. Engineer sub-office, Federal Building, Providence, R. I., until 12 o'clock noon, Mar. 30, 1915, and then publicly opened. Information on application. JOHN MILLIS, Col., Engrs.

Bids received until Mar. 18, 1915.

Kings Park State Hospital

Kings Park, N. Y.

Sealed proposals for additional accommodations for chronic patients, construction; heating; plumbing and drainage and electric work at Kings Park State Hospital, Kings Park, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2:30 o'clock P.M. on Thursday, March 18, 1915, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed and shall be accompanied by a certified check in the sum of $2025.00 for Proposal No. 1 Construction Work; in the sum of $675.00 for Proposal No. 2 Construction Work; in the sum of $450.00 for Proposal No. 1 of Heating Work; in the sum of $150.00 for Proposal No. 2 of Heating Work; in the sum of $400.00 for Proposal No. 1 of Plumbing Work; in the sum of $150.00 for Proposal No. 2 of Plumbing Work; in the sum of $150.00 for Proposal No. 1 of Electric Work; and in the sum of $50.00 for Proposal No. 2 of Electric Work. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent. of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of specifications Nos. 2128, 2134, 2135 and 2136. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the Kings Park State Hospital, Kings Park, N. Y.; at the New York office of the Department of Architecture, Room 1224, Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $10.00 made payable to the State of New York, for each set of plans and specifications, which check will be returned if plans and specifications are sent back in good condition to the State Architect, Lewis F. Pilcher.

E. S. ELWOOD, Secretary.

Dated Albany, N. Y., February 27, 1915.

Bids received until Apr. 15, 1915.

Construction of Artesian Wells. Municipal Water Works

Winona, Minnesota.

Sealed bids will be received by the Board of Municipal Works, of the City of Winona, Minnesota, up to 4 P.M. o'clock, April 15th, A.D. 1915, at the Board of Municipal Works office in the City Building in said city, for furnishing materials, tools and appliances, and drilling and constructing four artesian wells, each approximately 490 feet in depth, said wells to be located in the parked grounds of the public levee adjacent to the city water works of said city.

Specifications may be secured by applying at the water works office in Winona or at the office of the engineers in Chicago.

The right is reserved to reject any and all bids.

BOARD OF MUNICIPAL WORKS OF THE CITY OF WINONA, MINNESOTA.

Burr D. Blair, President.
S. S. Strouse, Secretary.

Alvord & Burdick, Engineers,
Hartford Bldg., Chicago.

Bids received until Mar. 17, 1915.

Filtration Plant—Contract No. 6

Cleveland, Ohio.

Sealed bids or proposals for constructing a filtered water reservoir will be received at the office of the Commissioner of Purchases and Supplies, No. 511 City Hall, Cleveland, Ohio, till 12 o'clock noon of March 17, 1915.

The principal items are

Excavation and backfilling.....	78,000 cu.yds.
Concrete masonry	26,500 cu.yds.
Steel reinforcement	520,000 lbs.

Plans and specifications containing proposal blank may be obtained after March 3, 1915, on deposit of $25.00 with the Commissioner of Water, No. 413 Superior Ave., Cleveland, Ohio, which deposit may be redeemed on return of the plans in good condition.

No proposal will be entertained unless made on the proposal blank above mentioned and delivered at the office of the Commissioner of Purchases and Supplies previous to 12 o'clock noon on the day specified.

The City reserves the right to reject any and all bids.

Bids received until Mar. 26, 1915.

Dairy Building

Delhi, N. Y.

Sealed proposals for construction; heating; plumbing and drainage and electric work for Dairy Building for the State School of Agriculture and Domestic Science at Delhi, N. Y., will be received by Mr. William H. Maynard, President of the Board of Control, State School of Agriculture and Domestic Science, at the County Clerk's office, Delhi, N. Y., until 2 o'clock P.M. on Friday, March 26, 1915, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified chick in the sum of $1,150.00 for construction work; in the sum of $350.00 for heating work; in the sum of $160.00 for plumbing and drainage work and in the sum of $40.00 for electric work. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of 50% of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of specifications Nos. 2183, 2178, 2179 and 2180. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the office of Mr. William H. Maynard, County Clerk, Delhi, N. Y.; at the New York office of the Department of Architecture, Room 1224, Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $10.00 made payable to the State of New York, for each set of plans and specifications, which check will be returned when plans and specifications are sent back in good condition to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

W. H. MAYNARD,
President, Board of Control.

U. S. ENGINEER OFFICE, Pittsburgh, Pa., March 6, 1915.—Sealed proposals for building a fire-proof power-house; furnishing and installing one 115-H.P. boiler, one 15-H.P. boiler, one steam-driven air compressor and two air receivers, piping and accessories, and furnishing one feed water heater, one feed water pump and one service water pump at Dam No. 10, Ohio River, will be received at this office until 12 M. (Eastern Standard time), April 5, 1915, and then publicly opened. Information on application. HAROLD C. FISKE, Captain, Engrs.

U. S. ENGINEER OFFICE, Charleston, S. C., February 17, 1915.—Sealed proposals for dredging in Ashley River, S. C., will be received at this office until noon, March 19, 1915, and then publicly opened. Information on application. G. A. YOUNGBERG, Major, Engrs.

Bids received until Mar. 22, 1915.

Repairs and Additions to Beach Protection

City of Cape May, N. J.

The City of Cape May, N. J., will open sealed bids at 8:00 P.M. on March 22, 1915, at the Council chamber of said city, for the renewal, repair, and additions to Boardwalk, Beach Drive and Bulkhead affording additional protection to Beach Front.

Approximate quantities are: 5000 piles, 11,000 tons of stone, erection of 2500 lineal ft. of Boardwalk, 6000 cu.yds. of fill and 2000 cu.yds. of foreign gravel.

Plans and specifications are on file in the office of the City Recorder. A deposit of $5.00 will be required for each set, which will be refunded upon the return of the unused drawings and specifications in good condition or upon the return of the drawings in case a bid is submitted.

The City reserves the right to reject any or all bids as may be for the best interest of the city.

L. C. ASHBURN,
Acting Chmn. of Com. on Streets and Highways.
THOMAS W. MILLET,
City Recorder.
L. E. MILLER, JR.,
City Engineer.

U. S. ENGINEER OFFICE, Pittsburgh, Pa., March 4, 1915.—Sealed proposals for furnishing and delivering steel maneuver-boat hulls, steamboat and hand capstans, derricks, kevels, spuds, etc., for Dams Nos. 10, 12, 15, 19, 20 and 29, and engines and electric light plants, etc., for maneuver boats at Dams Nos. 10 and 29, Ohio River, will be received at this office until 12 M. (Eastern Standard Time), April 3, 1915, and then publicly opened. Information on application. HAROLD C. FISKE, Captain, Engrs.

U. S. ENGINEER OFFICE, New London, Conn., Feb. 18, 1915.—Sealed proposals for dredging in the Connecticut River below Hartford, will be received here until 2 o'clock p.m., Mar. 18, 1915, and then publicly opened. Information on application. G. B. PILLSBURY, Major, Engrs.

U. S. ENGINEER OFFICE, Galveston, Texas, February 15, 1915.—Sealed proposals for jetty and dike work at Aransas Pass, Texas, will be received at this office until 12 M., March 16, 1915, and then publicly opened. Information on application. C. S. RICHE, Lieut. Colonel, Engineers.

U. S. ENGINEER OFFICE, Duluth, Minn., Feb. 24, 1915.—Sealed proposals for constructing and delivering complete the steel hull, 4½ yard dipper dredge, "Col. D. D. Gaillard," will be received at this office until 10 o'clock a.m., March 26, 1915, and then publicly opened. Information on application. E. D. PEEK, Major, Engrs.

Classified Advertising

Positions Wanted, 3 cents a word, minimum charge 50 cents an insertion, payable in advance.

Positions Open, (Civil Service Examinations), **Employment Agencies** (Labor Bureaus), **Business Opportunities, Wanted** (Agents and Salesmen—Contract Work), **Miscellaneous** (Educational—Books), **For Sale**, 5 cents a word, minimum charge $1.00 an insertion.

Count four words for keyed address care of New York; five for Chicago. Abbreviated words or symbols count as full words.

Copy should reach us not later than 10 A.M. Wednesday for that week's issue. Answers addressed to our care, Tenth Avenue at Thirty-sixth St., New York or 1144 Monadnock Block, Chicago will be forwarded (excepting circulars or similarliterature).

No information given by us regarding keyed advertiser's name or address. Original letters of recommendation or other papers of value should not be inclosed to unknown correspondents. Send copies.

Advertisements calling for bids, $3.60 an inch per insertion. N

POSITIONS WANTED

Mechanical and Electrical Engineers

LONG EXPERIENCE with dredging and contractors' plants; design, construction and maintenance; now engaged. P. W. 983, Eng. News.

MECHANICAL ENGINEER, 35, technical school and 12 years' broad experience; New York interview. P. W. 881, Eng. News.

Civil Engineers

CIVIL ENGINEERING GRADUATE desires position as instrumentman. P. W. 833, Eng. News.

CIVIL ENGINEER, 30; single; eight years drainage, municipal, etc.; now in Southwest. P. W. 886, Eng. News.

GRADUATE CIVIL ENGINEER; six years' experience, structural drafting railroad work and factory construction. P. W. 906, Eng. News.

GRADUATE CIVIL ENGINEER; 9 years' experience; 4 in Latin America, railroads, docks, bridges, sugar mills, drainage surveys; American Society Associate Member; speak Spanish. P. W. 894, Eng. News.

CIVIL ENGINEER AND SUPERINTENDENT; Associate Member American Society; 8 years' experience, railroads, construction and maintenance bridges, docks, buildings, drainage and surveys; references. P. W. 893, Eng. News.

CIVIL ENGINEER, 27; five years' experience; railroad, city, land, surveys; building, bridge, construction; river improvement; competent construction man; efficient instrumentman; will consider any offer; location immaterial. P. W. 961, Eng. News, Chicago.

CIVIL ENGINEER, graduate; 12 years' practical experience with consulting engineers and utility companies; waterworks and other utilities; investigations, reports, design, construction, appraisals; references. P. W. 958, Eng. News.

CIVIL ENGINEER, graduate; 24; one year's excellent experience with U. S. Army Engineers; at present employed; desire change for better; salary not the main object. P. W. 955, Eng. News.

SUPERINTENDENT AND CIVIL ENGINEER wishes to locate with contractor, engineer or prominent industry; five years' experience in open and pneumatic construction in U. S. and Canada; shafts, piers, Ohio River dams, etc.; good executive, handle office work, purchasing, plant layouts, design equipment, etc. P. W. 950, Eng. News.

CIVIL ENGINEER; with 12 years' experience on railroad location and construction, sewers, reinforced concrete construction and municipal engineering is open for engagement. Associate Member, American Society of Civil Engineers. P. W. 930, Eng. News, Chicago.

GRADUATE CIVIL ENGINEER; 14 years' experience, including municipal, development of large tracts and farm surveys, railroad, stadia, triangulation, computating, drafting and general field and office work. Salary reasonable; good reference; 35 years old. P. W. 934, Eng. News.

GRADUATE CIVIL ENGINEER with long experience in general engineering work would like to take charge of engineering work of borough or town; can furnish all instruments; salary reasonable. P. W. 935, Eng. News.

YOUNG WIDE-AWAKE CIVIL ENGINEER. Former county engineer. Wide experience in highway, reinforced concrete, structural and difficult foundation work. A-1 labor organizer. Highest credentials in regard to ability and results. P. W. 942, Eng. News, Chicago.

CIVIL ENGINEER; technical graduate; Member American Society Civil Engineers; 16 years' broad field and office experience on design and construction; railroads, trolleys, highway, municipal, hydro-electric, preliminary investigations, plans and estimates, field office organization, specialties; excellent references; available Mar. 15; now in the East. P. W. 969, Eng. News.

GRADUATE C. E., 12 years' experience in railroads, municipal, hydraulic and frog and switch work, desires position in the East. P. W. 975, Eng. News, Chicago.

CIVIL ENGINEER; 33, Assoc. Mem. Am. Soc. C. E., Mem. Am. Soc. for Test. Mats., 15 years' technical training and broad field and office experience; structures; ship canal, locks, docks, dams, breakwaters, electric railways. Concrete testing expert. P. W. 987, Eng. News, Chicago.

CIVIL ENGINEER, 9 years' experience, surveys, reports, buildings, water works, sewers, principal assistant on large dam and for past three years principal assistant on river improvement, A-1 references. Education M. I. T. P. W. 988, Eng. News.

CIVIL ENGINEER (27), technical graduate, three years' experience concrete construction and railway maintenance, wants position as instrumentman; available immediately. P. W. 977, Eng. News, Chicago.

Bridge and Structural

BRIDGE AND STRUCTURAL ENGINEER with long experience holding responsible positions wishes to change location. P. W. 986, Eng. News.

STRUCTURAL WORK, 30 years' shop experience, 20 years in charge. P. W. 985, Eng. News.

STRUCTURAL ENGINEER, graduate; 10 years' experience on bridges, buildings, subways, special structures. Can take charge of work. P. W. 993, Eng. News.

STRUCTURAL ENGINEER; fifteen years' general experience desires position as designer or squad man. P. W. 995, Eng. News.

STRUCTURAL CHECKER; technical graduate; nine years' experience detailing and checking structural work. P. W. 979, Eng. News, Chicago.

Surveyors

RAILROAD RODMAN TOPOGRAPHER, just off 10 month job. Want similar position. P. W. 922, Eng. News.

Draftsmen

DRAFTSMAN, engineering and architectural; industrial plants; general construction and transit work; nine years' experience; references. P. W. 962, Eng. News.

FIRST-CLASS STRUCTURAL SQUADMAN and checker; 12 years' experience mill and office buildings, bridges, etc., with leading companies; desires position. P. W. 949, Eng. News.

DRAFTSMAN, five years' experience in detailing, mill, office and bridge work; have also checked. P. W. 974, Eng. News.

Superintendents, Etc.

SUPERINTENDENT OR GENERAL FOREMAN; past four years in charge unit methods of construction; also general experience in industrial buildings construction; age 31; unmarried; will go anywhere. P. W. 902, Eng. News, Chicago.

EXPERIENCED FOREMAN (with or without gang) seeks position on construction work; best reference. P. W. 952, Eng. News.

GRADUATE, ARCHITECTURAL ENGINEERING, 27, 2½ years' field and drafting experience, will start low with reputable architectural or building concern. Location immaterial. P. W. 926, Eng. News.

ENGINEER in charge or contracting manager; 40 years old, married, good health; fifteen years' experience handling all kinds of building construction as manager for large general contractors in U. S. Open for engagement with general contractor as assistant or manager of branch office already established or in new territory. Competent to organize and open office and to secure and profitably execute contracts of any magnitude. Location immaterial. P. W. 994, Eng. News, Chicago.

CONTRACTING ENGINEER, 28, married, technical education: Five years with large firm contracting engineers, doing pneumatic and open foundation work and miscellaneous contracting of heavy nature. Position required engineering and executive ability. Familiar with plant and modern contracting methods. Hustler. P. W. 989, Eng. News.

FOREMAN desires position; good organizer. Wide experience, state road and sewer construction. Strictly temperate; can furnish test of references. P. W. 990, Eng. News.

AS SUPERINTENDENT, general or templet shop foreman of bridge and structural plant, 20 years' experience. Will go anywhere. Reference. P. W. 991, Eng. News.

ENGINEER, 28, two years' experience on New York State highway construction; good instrumentman, estimator, supervisor of construction; technical graduate; desires position with contractor or consulting engineer. P. W. 945, Eng. News.

CONTRACTORS man, 35 years old, American, 15 years' general experience; wants a position on construction work. P. W. 992, Eng. News.

AS CONCRETE FOREMAN or as instrumentman; technical graduate; 3½ years' experience on concrete construction. P. W. 973, Eng. News.

BY CONCRETE EXPERT, as superintendent or foreman; wide experience in excavating, form building and all kinds of concrete work, including road paving bridges and culverts, retaining walls and buildings. P. W. 970, Eng. News, Chicago.

SALES-ENGINEER; five years traveling Eastern half of the United States, selling and promoting various building materials; open for engagement Mar. 1. P. W. 976, Eng. News.

EXPERT MAP MAKER and topographic draftsman; 15 years' field and office experience on all kinds of surveys, including U. S. Government Service; best references; at liberty Mar. 15. P. W. 980, Eng. News.

UNIVERSITY GRADUATE, 25, wants position in railroad maintenance work; good references. P. W. 982, Eng. News, Chicago.

ENGINEER-SUPERINTENDENT, broad experience on dredging contracts, plant design and operation, and examinations on bids; reference to past and present engagements. P. W. 984, Eng. News.

POSITIONS OPEN

EXPERIENCED STRUCTURAL ENGINEER, estimator and contractor. Must be capable of making detailed estimates of steel and iron work from architect's plans. Must be capable of designing. Must be graduate engineer. No one need apply unless experienced. State age, salary desired and give references and selling experience. P. 924, Eng. News, Chicago.

STRUCTURAL ESTIMATOR and salesman, experienced on light structural work and miscellaneous iron work; New York location; must have clean record; give full details and references in first letter. P. 963, Eng. News.

COMPETENT OIL ENGINE SALESMAN acquainted with construction as well as sale of crude oil engines above 100 hp. State age, experience and salary expected. P. 971, Eng. News.

ESTIMATOR and ENGINEER—Good position open in New Work City for first class designer of bridge and structural steel work and able and experienced estimator of shop costs; must be competent and experienced in up to date methods in redesigning structural steel work. Answers must state, in strict confidence, age, experience and salary expected and give sample of work describing method of computing costs and application of same to prospective work. E. N., Room 1110, 50 Pine Street, New York.

Employment Agencies

The Employment Agencies advertising in this paper agree to refund any registration fee on demand any time within the first six months when no position is secured.

TECHNICAL ENGINEERS in every line for available positions; employers and applicants write The Toledo Engineering Agency, Toledo, Ohio.

LABOR BUREAUS

SPECIAL ADVANTAGES to contractors or others employing skilled or unskilled laborers. Commissary privileges optional. Central Labor Agency, 139 Mulberry St., New York. (Telephone 8970 Canal.)

WILLING TO PAY A GOOD BONUS to anyone instrumental in procuring the privilege to conduct a commissary (general store) on any construction work. L. B. 972, Eng. News.

WANTED

INDEX TO VOL. 71 (Jan.-June, 1914) and copies of Jan. 28, 1915, "Engineering News." Will pay 20 cents each. Subscription Department, Eng. News.

AGENTS AND SALESMEN

AGENTS WANTED for "Haiss" wagon loaders. Geo. Haiss Mfg. Co., 141st St. and Rider Ave., New York City, N. Y.

ENGINEERING REPRESENTATIVES—Agents with offices in all parts of the United States to represent the Thomas Method of reinforced concrete bridge construction. W. M. Thomas, 915 Hibernian Bldg., Los Angeles, Calif.

BUSINESS OPPORTUNITIES

ENGINEER'S GRAND OPPORTUNITY—Long-established young contractor with unquestionable reputation and expert knowledge in the economical construction of public and private work and with exceptional ability in securing and executing profitable contracts desires to meet young graduate civil engineer who is willing to learn the contracting and construction line and take an active interest with an investment of from $15,000 to $25,000. B. O. 872, Eng. News.

GRADUATE CIVIL ENGINEER; 14 years' experience in general field and office work desires to purchase engineering business, paying $1500 to $2000 yearly or buy interest in reliable firm; good references. B. O. 936, Eng. News.

WANTED—Additional capital for $600,000 contract; assured profit of $70,000 in 12 months. B. O. 981, Eng. News.

FOR SALE

ENGINEERING NEWS for sale, 1910-1913, inclusive, eight volumes, half leather bound. F. S. 978, Eng. News, Chicago.

CONSTRUCTION ENGINEER.

Graduate C. E.; M. Am. Soc. C. E.; 42 years of age; good health; married. Good executive, manager or superintendent; 21 years' experience on design and supervision. Work has included masonry construction—plain and reinforced, stone and concrete; dams, retaining walls, bridge piers, etc.; rock and pile, wet and dry foundations; cofferdams; power plants and buildings; sewage disposal; water supply. Open for employment about April 1. Desires connection with and can invest in contracting or engineering firm. P. W. 896, Eng. News.

Classified List

Second Hand Machinery, Material and Equipment

For Sale—Exchange—Rent—Wanted

Items not otherwise marked list equipment for sale.

Rates: Less than 4 insertions 55 cents per line—4 to 11 insertions 50 cents per line—12 or more insertions 45 cents per line.

N

ADDRESSES

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BRADEN, James C., 26 Cortlandt St., N. Y. City.
CARPENTER & Boxley & Herrick, Inc., 4th Ave. and 70th St., B'klyn, N. Y.
CONCORD CO., 117 Main St., Flemington, N. J. (Tel. 81 L.).
CONTRACTORS' Service Co., 50 Church St., N. Y. City.
DALLETT & CO., Harrison Bldg., Phila., Pa.
DOUGLAS, Geo. B., 29 Broadway, New York.
GIVIN Co., Herbert, 30 Church St., N. Y. City.
GRIMSHAW Co., Wm. B., 688 Drexel Bldg., Phila., Pa.
HITNER'S Sons Co., Henry A., Philadelphia, Pa.
HOISTING Engine Sales Co., 120 West 32d St., New York.
LINES FLYNN Co., Inc., 30 Church St., N. Y. City.
MARINE Metal and Supply Co., 167 South St., N. Y. City.
NEW RIVER Co., The, Macdonald, W. Va.
PIPE & Contractors Supply Co., 3 Dover St., N. Y. City.
SAMPSON Co., Geo. H., 13 Pearl St., Boston, Mass., and 42 B'way, N. Y. C.; or Winston & Co., Brown Station, N. Y.
SCHMIDT, Jr., & Co., C. G. A., Empire Bldg., Phila., Pa.
SOUTHERN Iron & Equipment Co., Atlanta, Ga.
STALLEY, G. T., Box 390, Cleveland, Ohio.
WHITNEY, O. R., 39 Cortlandt St., N. Y. C. (Cort. 6095).

AIR COMPRESSORS

2—Ingersoll-Rand, Cross Compound steam and air cylinders with Corliss valve gear 2500 cu. ft. capacity.—SAMPSON.

2—Ingersoll-Rand, Cross Compound Steam and Air Cylinders with Corliss valve gear 3300 cu.ft. capacity. Boilers and Condensers with this plant. All in good condition. Bargain.—SAMPSON.

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Several second-hand air compressors, steam and belt driven, straight line and two stage of various sizes from 70 to 1300 cu. ft. capacities. Good condition.—SAMPSON.

1—22x22-13-¼x24, Sullivan, steam driven, class WB 2, straight line, 2 stage, cap., 1160 cu. ft., 1—24x24x30, McKiernan, class A, straight line, steam driven, cap. 1414 cu. ft.; 1—24x24-¼x30, Ingersoll, class A, steam driven, straight line, cap. 1223 cu. ft., 2—16x20-¼x16, Ingersoll-Sargeant, class H-1, duplex, steam driven, cap. 1540 cu. ft.—HITNER'S.

1 Blaisdell 16x10x10, 60 H.P., 342 cu.ft. First class condition.—THEO. SMITH & SONS CO., Jersey City, N. J.

Steam driven 3 Laidlaw-Dunn-Gordon duplex 2-stage, and 5 Norwalk tandem 2-stage, capacities 900 to 2100 cu.ft., condition excellent.—NEW RIVER.

3—24"x24"x30" Rand S. L. Price $1000 each.—L. F. SEYFERT'S SONS, INC., 437 N. 3rd St., Phila., Pa.

2 Norwalk 700 cu.ft. and 1200 cu.ft.; excellent condition. Reason for selling, mine worked out. No further use for same.—HANDY BROS. MINING CO., Bay City, Mich.

BAILING PRESS

1 Dederick continuous bailing press.—CONCORD.

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[Wanted]

For use on Lake Ontario two boats, capacity 600 to 1000 tons, for carrying stone. Boats with modeled bow desired. Give present location, age, full description and price delivered at Toronto.—CANADIAN STEWART CO., LTD., 30 Church St., New York City.

BOILERS

5—250 H.P. B. & W., 150 lbs. steam. Horizontal return tubular, 2—72"x20', 1—78"x20', 1—72"x18', 1—72"x15', 1—72"x14', triple riveted, butt strapped, 125 lbs. steam.—HITNER'S.

35, 60 and 80 H.P. loco. boilers—PIPE.

6—550 H.P. Altman Taylor B. & W. type, 150 lbs. pressure, complete with steel supporting structure—Arranged to set two in battery; one battery equipped with Taylor stokers.—HENRY R. KENT & CO., 141 Broadway, New York, N. Y.

2 New Marine, 10x11'; prompt delivery.—WHITNEY.

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3' Denmead bone mill with screen elevators.—CONCORD.

BUCKETS

1—1 yd. Theo. Smith Orange Peel.—PIPE.

5—¾ cu. yd. standard clam shells.—STALLEY.

Orange peel—¾, 1, 1¼, 1½ yd. capacity; clam shell—½ to 3 yd. capacity.—GIVIN.

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[36" Gauge]

100 Western 4-yd. dump and 26 Koppel steel concrete.—CARPENTER.

[24" Gauge]

1½ yd. Western with Vulcan Dinkey.—DALLETT.

10—1 yd. swivel end dump cars.—PIPE.

[Wanted]

30 dump cars, 36" gauge.—W. 899, Eng. News.

CRUSHERS

Farrel Jaw, 15x9, with screen and engine.—MARINE.

National Jaw, 14x8, on wheels.—MARINE.

Gyratory, Nos. 8, 7½, 6, 5, 4, 3.—GIVIN.

1 No. 2 Climax on trucks with 15' elevator with 18 H.P. mounted Climax portable engine and boiler.—BECKWITH.

[Wanted]

36x18 or 24 Farrell Jaw.—SCHMIDT.

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1 Steel stiff leg, 70' boom; 1 steel guy, 70' boom, 25 tons cap.; 1 steel traveling, 45' boom.—GIVIN.

5 traveling, 50 HP. Lambert elec. hoists.—CARPENTER.

15' traveling derrick.—CONCORD.

DREDGES

Hydraulic and dipper. Sale or charter.—GIVIN.

A 2½ yd., 80 ft. boom, vertical spuds, 2 boilers, loco. type, Marion deep water dredge, Factory No. 2219. Repairs kept up continually; in first class condition. Can be seen in operation 13 miles north of Las Animas, or 10 miles south of Arlington, Colo., during the next 60 days. Delivery can be made in April.—THE FORT LYON CANAL CO., Las Animas, Colorado.

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6 Ingersoll, type F-24, and 2 class "C" Little Giant. rock drills.—BECKWITH.

Keystone traction No. 3 with placer equipment located at Prescott, Ariz.—L. J. HOHL, 525 Market St., San Francisco, Calif.

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For sale at less than half cost. Sixty 300 C.P. D.C. 220 V. Nernst arc lamps, moon globes. In perfect running condition. Can be seen in use in our offices; $4 each. (Regular price, $9.50). Price includes drop lighting switch. Must sell as our voltage is 110 in new office. HILL PUBLISHING CO., 10th Ave. at 36th St., New York.

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1 8 H.P. Vertical Type Fairbanks with sub-base.—SAMPSON

ENGINES, STEAM

75-H.P. Diesel, cyl. 14x24, excellent condition.—CONCORD.

FIRE ENGINES

2 Fire Engines, condition, first class.—HITNER'S.

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11 split switches, 10 stiff keyed frogs, 15 low century switch stands, 18-15 ft. guard rails.—CONCORD.

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C. & C. 50-K.W. belted type generator, 650 revolutions, 230 volts, LaRoche Switchboard.—CONCORD.

HAMMERS

1 No. 4 Arnott.—PIPE.

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2 Blake 150 H.P. vertical water feed heaters.—CONCORD.

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Lidgerwood 10x12 D.D.D.C. side by side drums, 33" diam.—MARINE.

Lidgerwood, 5x8 D.D.D.C. with boiler.—MARINE.

1 3 drum National hoist 10x12 with boiler and three independent winch-heads, excellent condition; 4 7x10 D.C.D.D. Lidgerwood with boilers; 1 Lidgerwood D.C.D.D. with swinger, skeleton 7x10, and 1 National D.C.D.D. with swinger, skeleton 7x10.—PIPE.

2 Lidgerwood 14x18, D.C. 3-tandem drum, reversible link motion; 1 Lidgerwood, 10x12, D.C. S.D. reversible link motion; 1 Lambert, 10x12, D.C. D.D. with boiler; 2 Lambert, 8x10, D.C. D.D. with Mass. boilers; 1 Lambert 7x10, D.C. D.D. with boiler; 1 Mundy, 7¼x10, D.C. D.D. with boiler; 1 Mundy, 6¼x10, D.C. D.D. with boiler; 1 O. & S. 6¼x8, D.C. D.D. with boiler. 2 Lidgerwood, 60 H.P. D.D. and swinger d.c. hoists.—HITNER'S.

9x10 Lidgerwood 3 drum—8¼x10 Lidgerwood D.D. with or without boiler or swinger. Other sizes.—GIVIN.
THREE HUNDRED hoists, 2 or 3 drum 7x10, 8¼x10, 9x10, 10x12, skeleton or boilers; 100 electric.—HOISTING.

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Dietzgen Engineers' Transit, level attachment, 12' 2-fold stadia rod, steel 100' chain, 2 range poles. All in good condition. Lot for $125.—JOHN H. WINTER, Winterville, Ga.
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1 Porter, Std. G., 20-ton, 12x18, saddle tank.—DOUGLAS.
50 locomotives, Switch, Mogul, Consolidation, Ten Wheel and Saddle Tank types.—SOUTHERN.
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2—9x14 Baldwin saddle tank.—BECKWITH.
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5—11x16 Vulcan dinkies 1936 to 2039.—CARPENTER.
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A number of 9x14 and 10x16.—SCHMIDT.
[24" Gauge]
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[Wanted]
2 locomotives, 36" gauge.—W. 898, Eng. News.

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4 and 8-wheel, 10, 15 and 20 tons capacity.—HOISTING MACHINERY Co., 48 Church St., New York City.
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[Wanted]
No. 11 Koehring mixer with boom and bucket. Indiana or Illinois delivery preferred.—W. 965, Eng. News, Chicago.

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165 pcs. Lackawanna 14" arch web, 22 and 24 ft. lengths, used once, excellent condition.—37 Dun Bldg., Buffalo, N. Y.
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1 Worthington Duplex 10x6x10.—MARINE.
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3 Underwriters fire pumps cheap.—WHITNEY.
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[Wanted]
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For sale or to rent, tandem and 3-wheel steam road rollers.—F. S. 873, Eng. News.
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Tandem roller in first-class condition at a bargain.—Write F. S. 967, Eng. News.
[Wanted]
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1 Model 0 Thew, built 1912, low price.—GIVIN.
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1 Bucyrus 14 B, new last August.—SCHMIDT.
1 Marion Model 60, 1439 with 1 standard and 1 special boom, and 1 Model 75, 2112.—CARPENTER.
⅝ yd. Thew No. O, traction wheels; first-class, $2250.—GRIMSHAW.
[Wanted]
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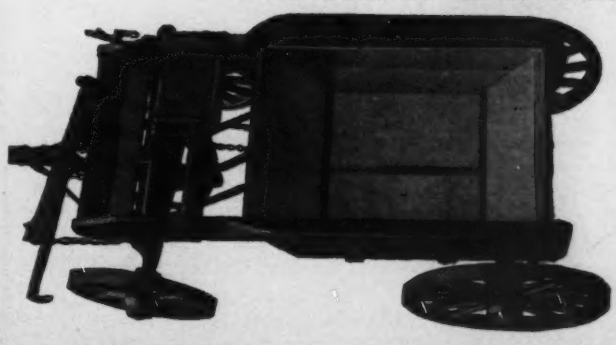
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